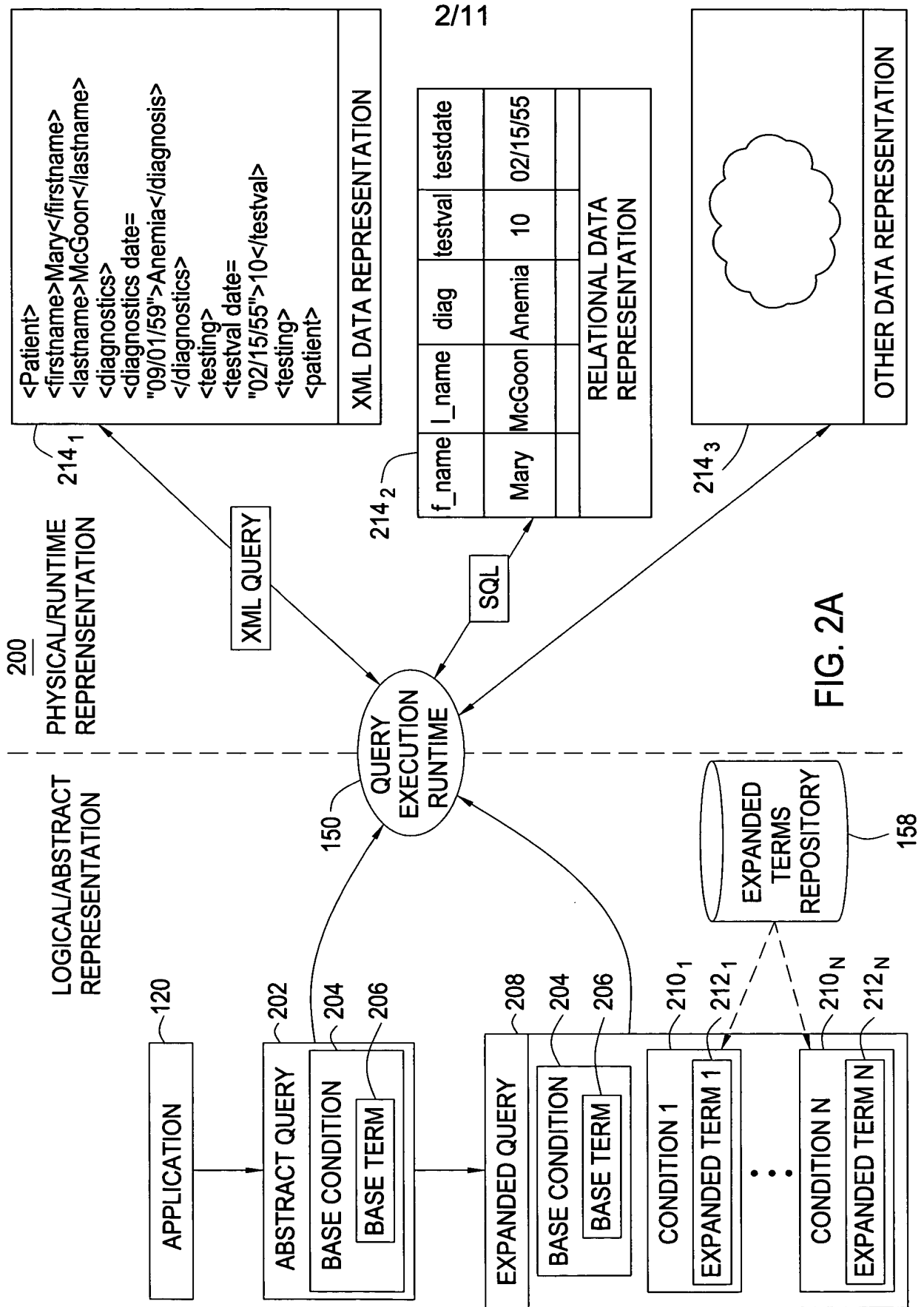


FIG. 1



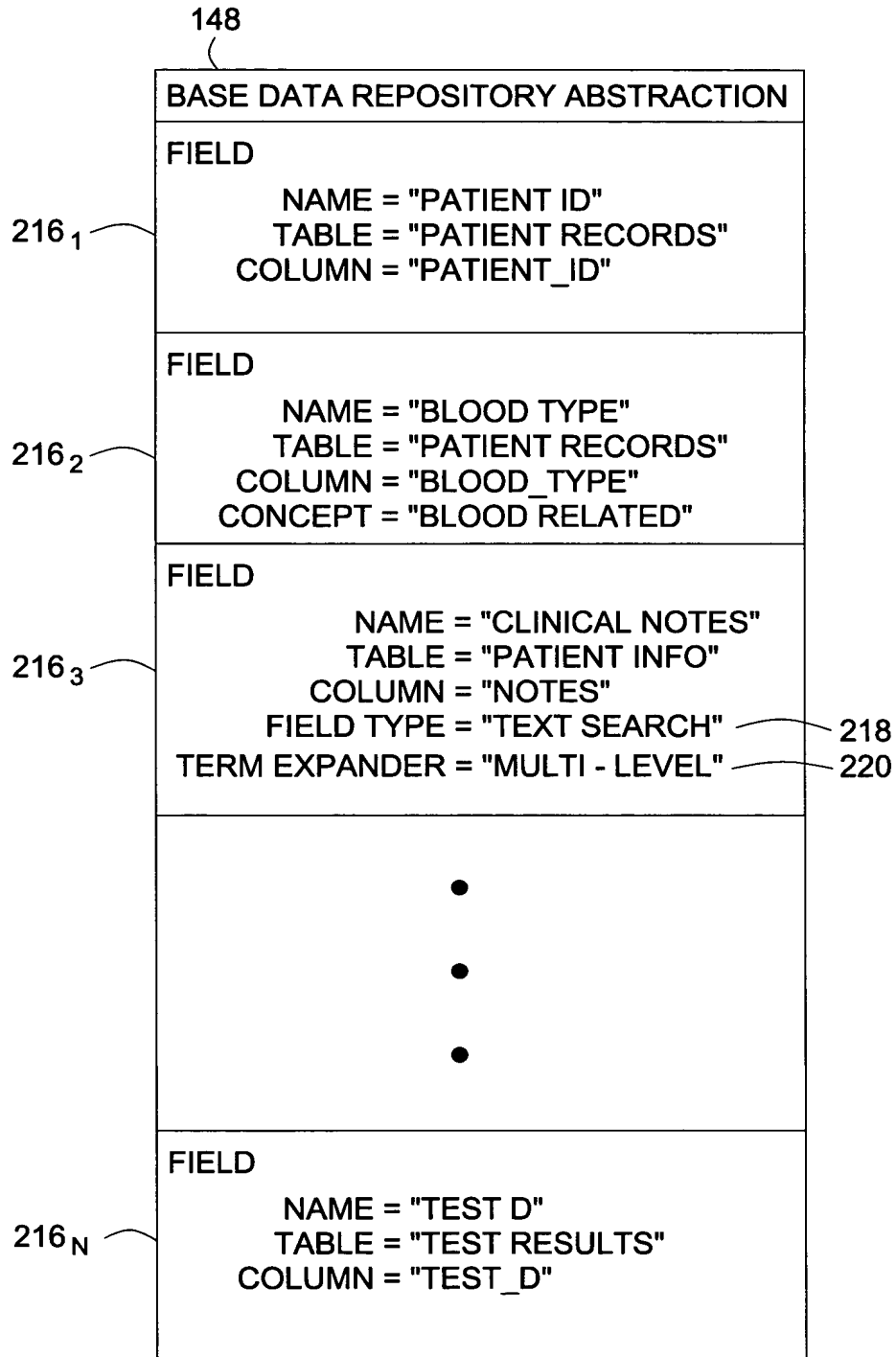


FIG. 2B

<b>EXPANDED TERMS</b> <b>BASE TERM : CANCER</b>
<b>LOW EXPANSION LEVEL :</b> <ul style="list-style-type: none"><li>● TUMOR</li><li>● CANCEROUS</li></ul>
<b>HIGH EXPANSION LEVEL :</b> <ul style="list-style-type: none"><li>● TUMOR</li><li>● MALIGNANT</li><li>● CANCEROUS</li><li>● GROWTH</li><li>● MALIGNANCY</li></ul>

**FIG. 2C**

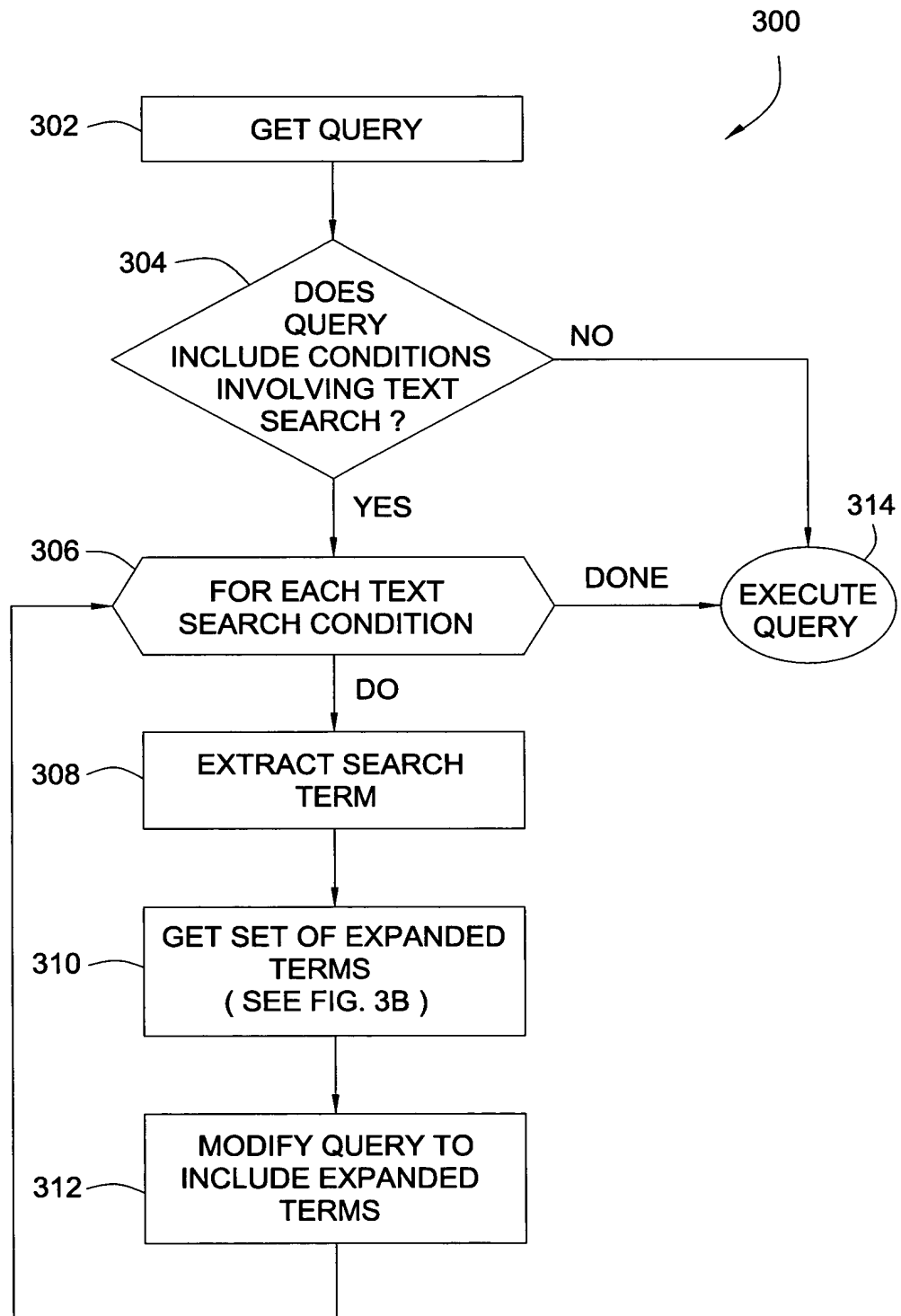


FIG. 3A

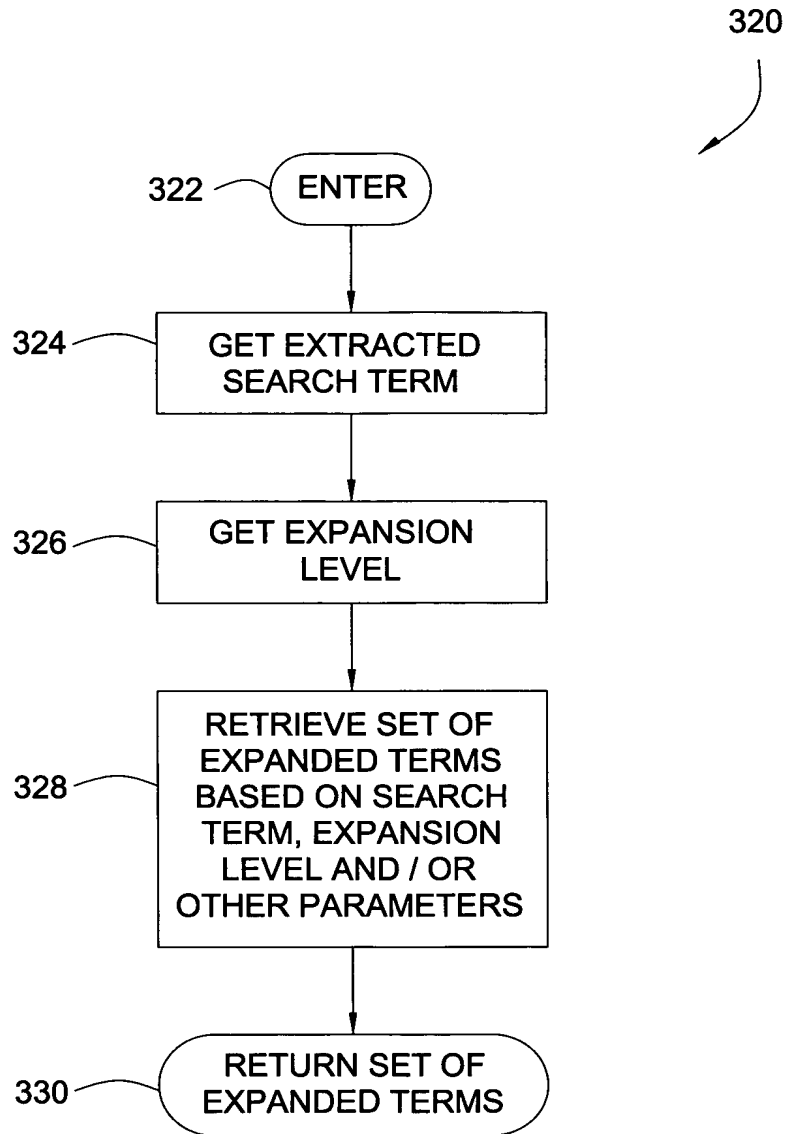


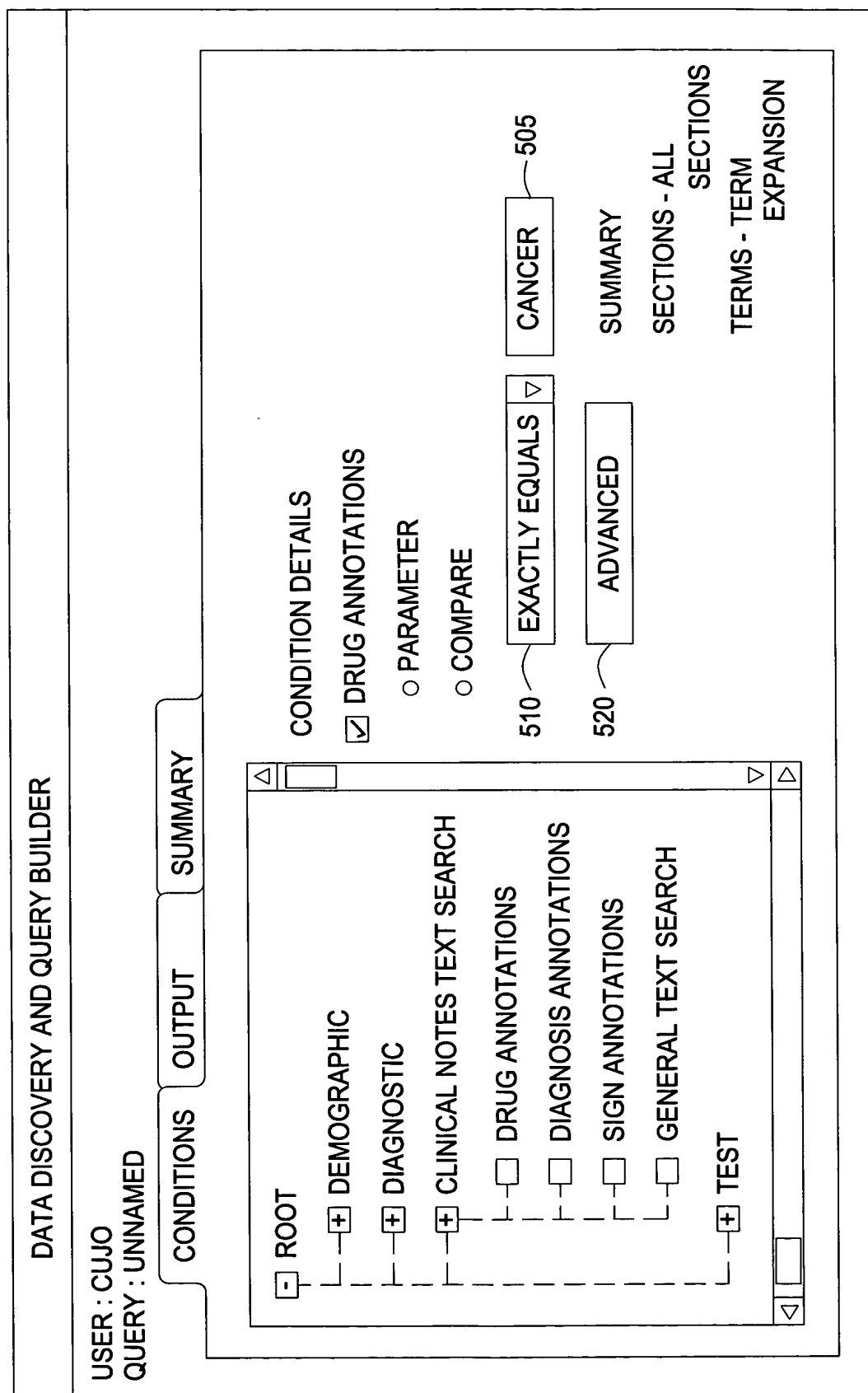
FIG. 3B

API FUNCTION	DESCRIPTION
GET EXPANSION LEVELS	GIVEN A SEARCH TERM, RETURNS THE LEVELS OF EXPANSION ALLOWED
GET EXPANDED TERMS	GIVEN A SEARCH TERM AND EXPANSION LEVEL, RETURNS A SET OF EXPANDED TERMS
BUILD EXPANDED TERMS	GIVEN A SEARCH TERM AND EXPANSION LEVEL, ADDS A LIST OF EXPANDED TERMS TO THE REPOSITORY
ADD EXPANDED TERMS	GIVEN A SEARCH TERM AND EXPANSION LEVEL, ALLOWS SPECIFIED TERMS TO BE ADDED TO AN EXISTING SET OF EXPANDED TERMS
DELETE TERM	GIVEN A SEARCH TERM AND EXPANSION LEVEL, ALLOWS SPECIFIED TERMS TO BE DELETED FROM AN EXISTING SET OF EXPANDED TERMS

FIG. 4

**FIG. 5A**

500





530

FIG. 5B

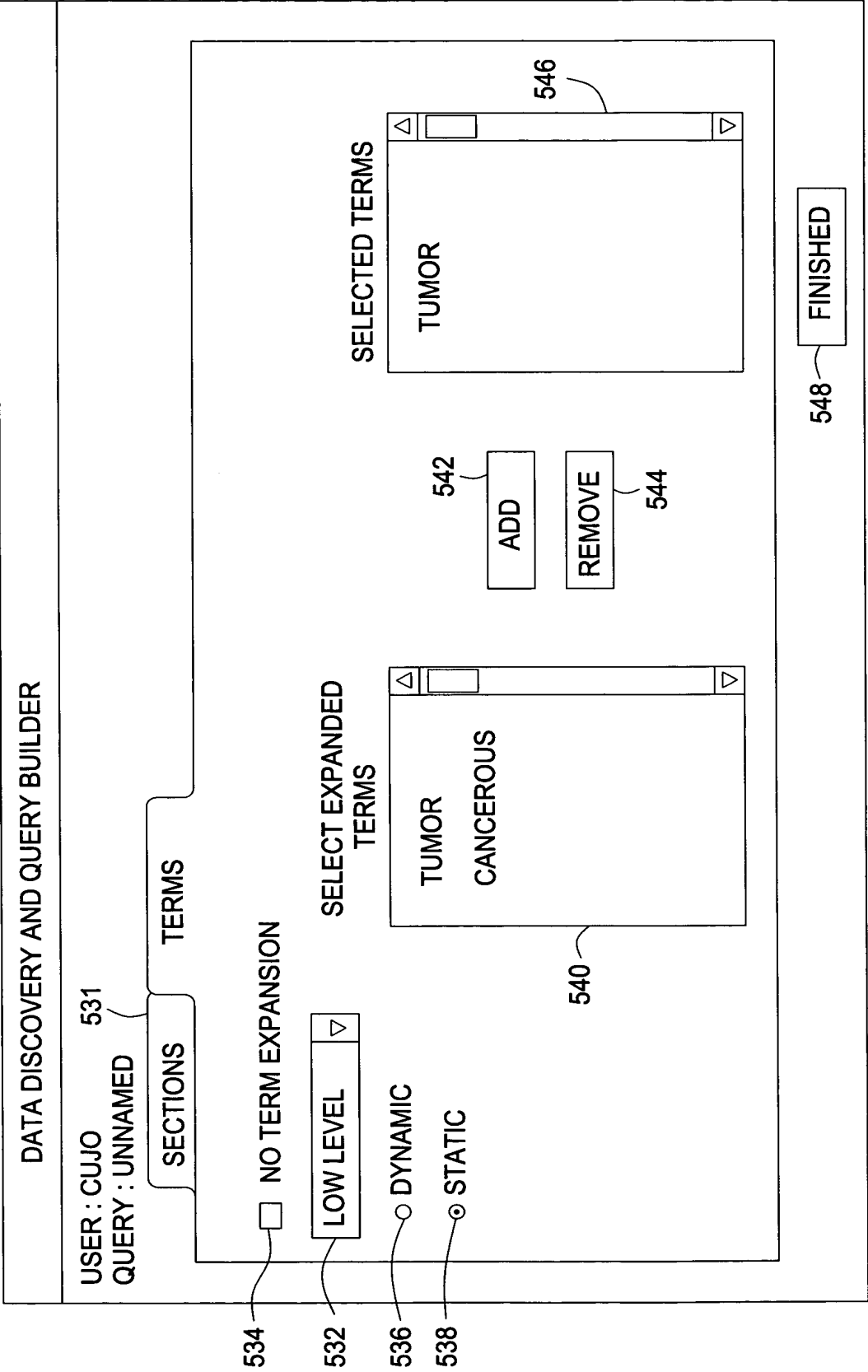


FIG. 5C

550

DATA DISCOVERY AND QUERY BUILDER

USER : CUJO  
QUERY : UNNAMED

SECTIONS

TERMS

☐ NO TERM EXPANSION

HIGH LEVEL

DYNAMIC

STATIC

SELECT EXPANDED TERMS

TUMOR

MALIGNANT

CANCEROUS

GROWTH

MALIGNANCY

552

554

546

SELECTED TERMS

TUMOR

CANCEROUS

MALIGNANCY

ADD

REMOVE

FINISHED

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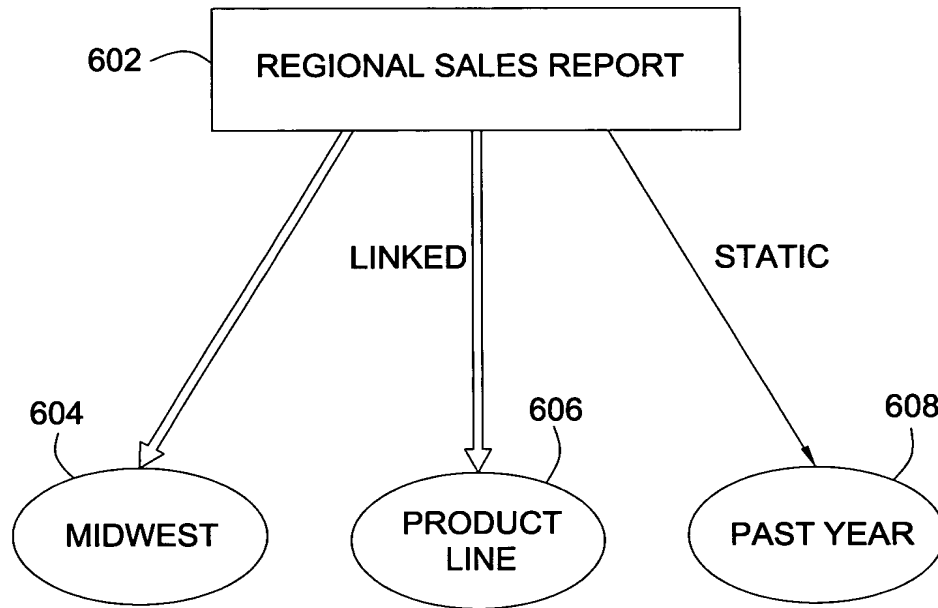


FIG. 6A

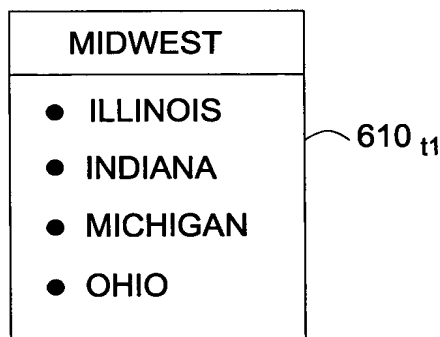


FIG. 6B

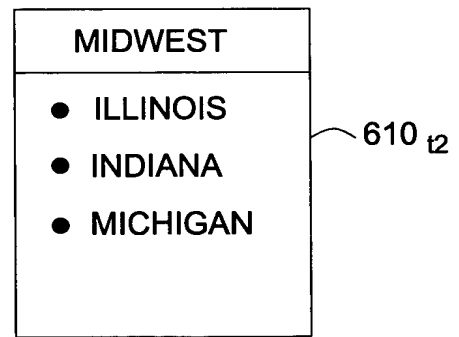


FIG. 6C